



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

INSPECTION DATE & TIME: August 12, 1992
11:00 A.M. to 3:30 P.M.

Permittee and/or Operator's Name: Genwal Coal Co.
Business Address: P. O. Box 1201, Huntington, Utah 84528
Mine Name: Crandall Canyon Permit Number: ACT/015/032 County: Carbon
Type of Mining Activity: Underground X Surface Other
Company Official(s): Larry Johnson and Lanny Burnside State Officials(s): Paul Baker Federal
Official(s): None
Partial: X Complete: Date of last Inspection: July 13, 1992
Weather Conditions: Partly Cloudy, Showers, 80's
Acreage: Permitted- 2165.42 Disturbed- 5.55 Regraded- 0.5 Seeded- 0.5 Bonded- 5.55
Enforcement Action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. SURFACE AND GROUNDWATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL PROCESSING WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS				
a. CONSTRUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES AND UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS INFORMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 3

PERMIT NUMBER: ACT/015/032

DATE OF INSPECTION: August 12, 1992

(Comments are Numbered to Correspond with Topics Listed Above)

3. Topsoil

The previous inspection report noted that additional straw bales or a silt fence would be required to separate road material from the topsoil piles. These areas were inspected, and Mr. Johnson stated that new straw bales and a silt fence had been placed between the stockpiles and the road.

4. Hydrologic Balance

b. Diversions

The ditch along the road to the mine portal which the previous inspection report noted would require grading was inspected visually, i.e. not measured.

c. Sediment Ponds and Impoundments

The inspection report for July stated that there was some minor erosion at the inlet to the pond and that the Operator was going to add additional riprap and cement for bonding. The inlet to the sediment pond was inspected. Mr. Johnson stated that the work which the previous inspector described had been performed.

13. Revegetation

The plan states that contemporaneously reclaimed areas which report to the sediment pond will achieve 80% cover. Three areas were measured using a ten-point pin frame to determine if they meet this requirement.

The road to the old magazine bench and formerly-proposed substation had water bars constructed on it and was seeded last fall. Only three places (3 X 10 points) were measured in this area, and cover (vegetation and litter) was 30%, rock and bare was 70%. As a general observation, however, I felt that there are enough perennial plants, mostly seedlings, that the amount of cover will increase substantially next year and that supplemental seeding need not be done this fall. This area should be measured again next year.

22 samples of 10 points each were taken in an area between the magazine bench and the road to the portals. This area had 78.6% cover consisting of 56.4% vegetation and 22.2% litter. Although some kochia and houndstongue were seen in the area, none were encountered in the sampling. This contrasts with last year there was 18.5% cover from annual and biennial forbs. All of the vegetation encountered this year was perennial grasses. Although the amount of cover is below 80%, sampling error could account for the difference and the cover has achieved 80% with 95% confidence. There were signs of elk use of the area.

The final area measured was between the portal road and the truck turnaround. This area was not measured in 1991. 10 places were sampled with 10 points each. Cover from vegetation was 38%, and cover from litter was 45% for a total of 83%. As with the previous area, all of the vegetative cover was from perennial grasses.

About 10-15 musk thistle plants were found near the mine site. This plant is a state-declared noxious weed which has become a nearly uncontrollable problem at some mines. Mr. Johnson and Mr. Burnside were shown the weeds and the difference between this thistle and other

INSPECTION REPORT

(Continuation sheet)

Page 3 of 3

PERMIT NUMBER: ACT/015/032

DATE OF INSPECTION: August 12, 1992

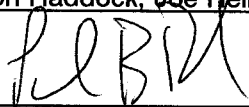
(Comments are Numbered to Correspond with Topics Listed Above)

thistles, and they were advised to dig them up. Failure to do so could result in topsoil or substitute topsoil contamination by the seeds of this plant.

Copy of this Report:

Mailed to: Jay Marshall (Genwal), Bernie Freeman (OSM)

Given to: Daron Haddock, Joe Helfrich (DOGM)

Inspector's Signature: 

Paul B. Baker #41 Date: August 25, 1992